#5

SEQUENCE LISTING

<110> Coutts, Stephen M.
      Barstad, Paul A.
      Iverson, G. Michael
      Jones, David S.

<120> COMPOSITION FOR INDUCING HUMORAL ANERGY
   TO AN IMMUNOGEN COMPRISING A T CELL EPITOPE-DEFICIENT ANALOG
   OF THE IMMUNOGEN CONJUGATED TO A NONIMMUNOGENIC VALENCY
   PLATFORM MOLECULE

<130> 252312006002

<140> US 10/081,076
<141> 2002-02-20

<150> US 09/563,167
<151> 2000-05-20

<150> US 08/118,055
<151> 1993-09-08

<150> US 07/652,648
<151> 1991-02-08

<160> 11

<170> FastSEQ for Windows Version 4.0

<210> 1
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 1
Arg Ser Lys Ser Lys Ser Lys Cys
 1   5

<210> 2
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<220>
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<400> 2
Ile Lys Arg Lys Arg Gln Gln Gly
 1   5

1

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<210> 3
<211> 9
<212> PRT
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<400> 3
Trp Ile Lys Arg Lys Arg Gln Gln Gly
 1               5


<210> 4
<211> 10
<212> PRT
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<220>
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<400> 4
Ser Trp Ile Lys Arg Lys Arg Gln Gln Gly
 1               5                   10


<210> 5
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
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<400> 5
Ile Ser Trp Ile Lys Arg Lys Arg Gln Gln Gly
 1               5                   10


<210> 6
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 6
Cys Ile Ser Trp Ile Lys Arg Lys Arg Gln Gln Gly
 1               5                   10


<210> 7
<211> 14
<212> PRT
<213> Artificial Sequence
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<220>
<223> Synthetic construct

<221> VARIANT
<222> 1
<223> Xaa = This position is H2N

<221> VARIANT
<222> 14
<223> Xaa = This position is CO2H

<400> 7
Xaa Cys Ile Ser Trp Ile Lys Arg Lys Arg Gln Gln Gly Xaa
 1   5   10

<210> 8
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<221> VARIANT
<222> 1
<223> Xaa = This position is H2N

<221> VARIANT
<222> 12
<223> Xaa = This position is CO2H

<400> 8
Xaa Cys Trp Ile Lys Arg Lys Arg Gln Gln Gly Xaa
 1   5   10

<210> 9
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<221> VARIANT
<222> 1
<223> Xaa = This position is H2N

<221> VARIANT
<222> 13
<223> Xaa = This position is CO2H

<400> 9
Xaa Trp Ile Lys Arg Lys Arg Gln Gln Lys Cys Gly Xaa
 1   5   10

<210> 10
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<221> VARIANT
<222> 1
<223> Xaa =This position is H2N

<221> VARIANT
<222> 21
<223> Xaa= This position if CO2H

<400> 10
Xaa Trp Ile Lys Arg Lys Arg Gln Gln Trp Ile Lys Arg Lys Arg Gln
 1   5   10   15
Gln Lys Cys Gly Xaa
            20

<210> 11
<211> 28
<212> PRT
<213> Melittin from bee venom

<220>
<221> VARIANT
<222> 1
<223> Xaa = This position is H2N

<221> VARIANT
<222> 28
<223> Xaa = This position is CO2H

<400> 11
Xaa Gly Ile Gly Ala Val Leu Lys Val Leu Thr Thr Gly Leu Pro Ala
 1   5   10   15
Leu Ile Ser Trp Ile Lys Arg Lys Arg Gln Gln Xaa
            20   25